

FIG. 1

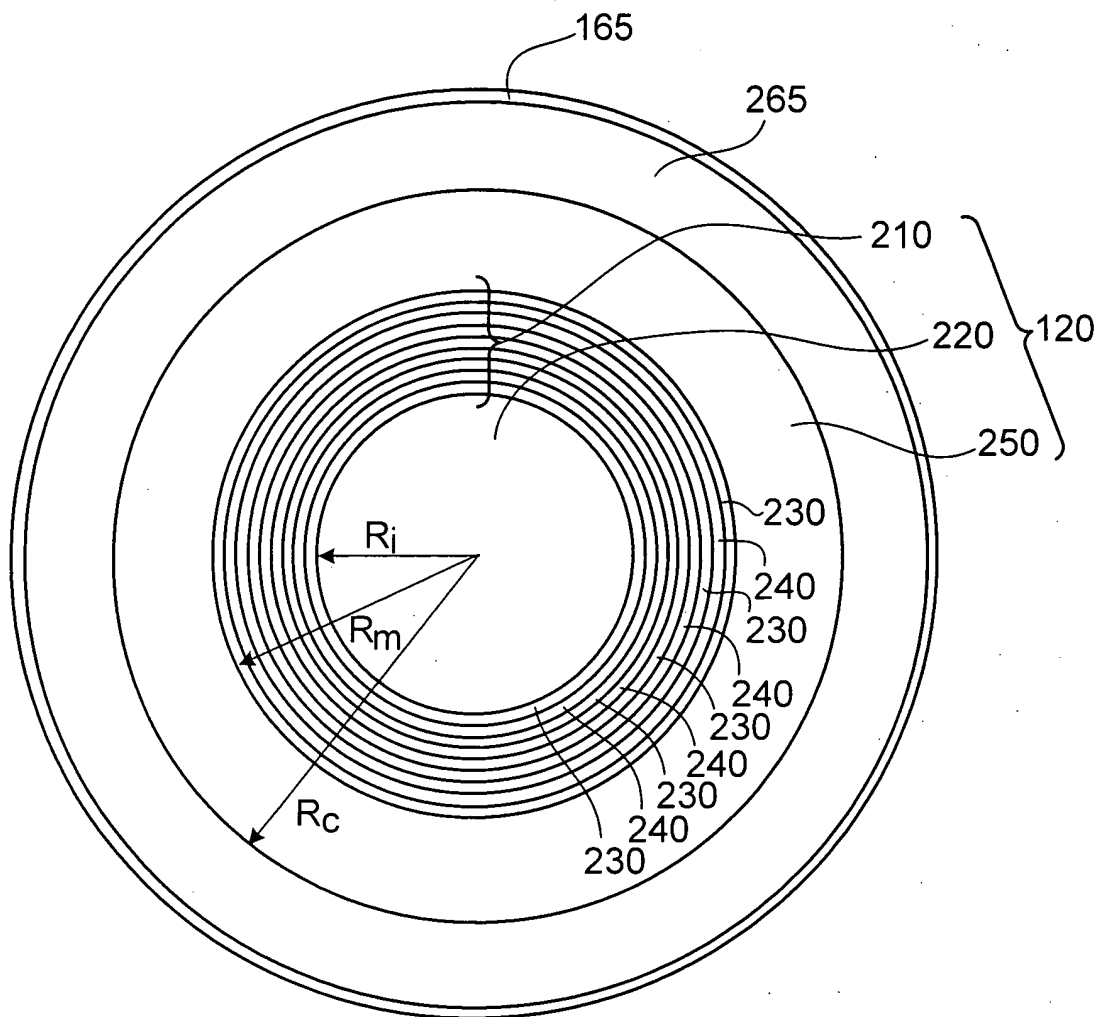


FIG. 2

HE<sub>11</sub> radiation losses  $R_c = 500 \mu\text{m}$ ,  $N_1 = 55$ ,  $n_n/n_1 = 2.7/2.3$

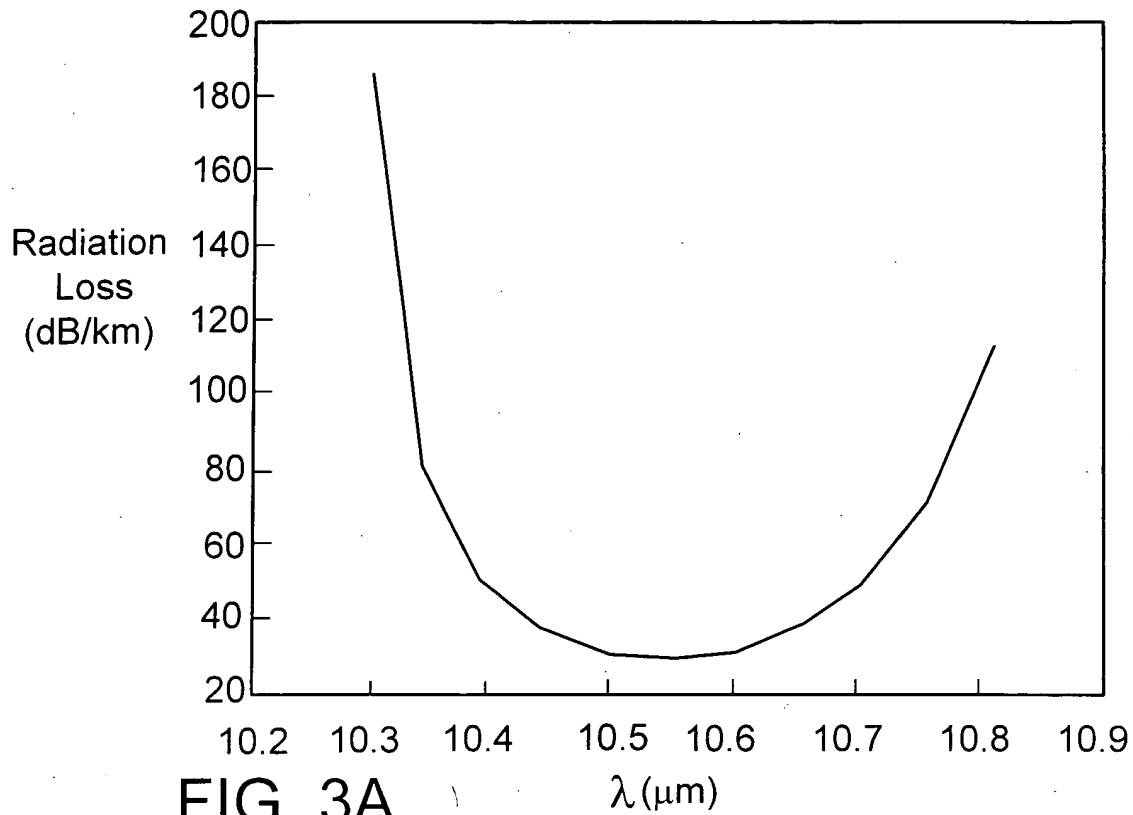


FIG. 3A

HE<sub>11</sub> dissipation losses  $R_c = 500 \mu\text{m}$ ,  $N_1 = 55$ ,  $n_n/n_1 = 2.7/2.3$

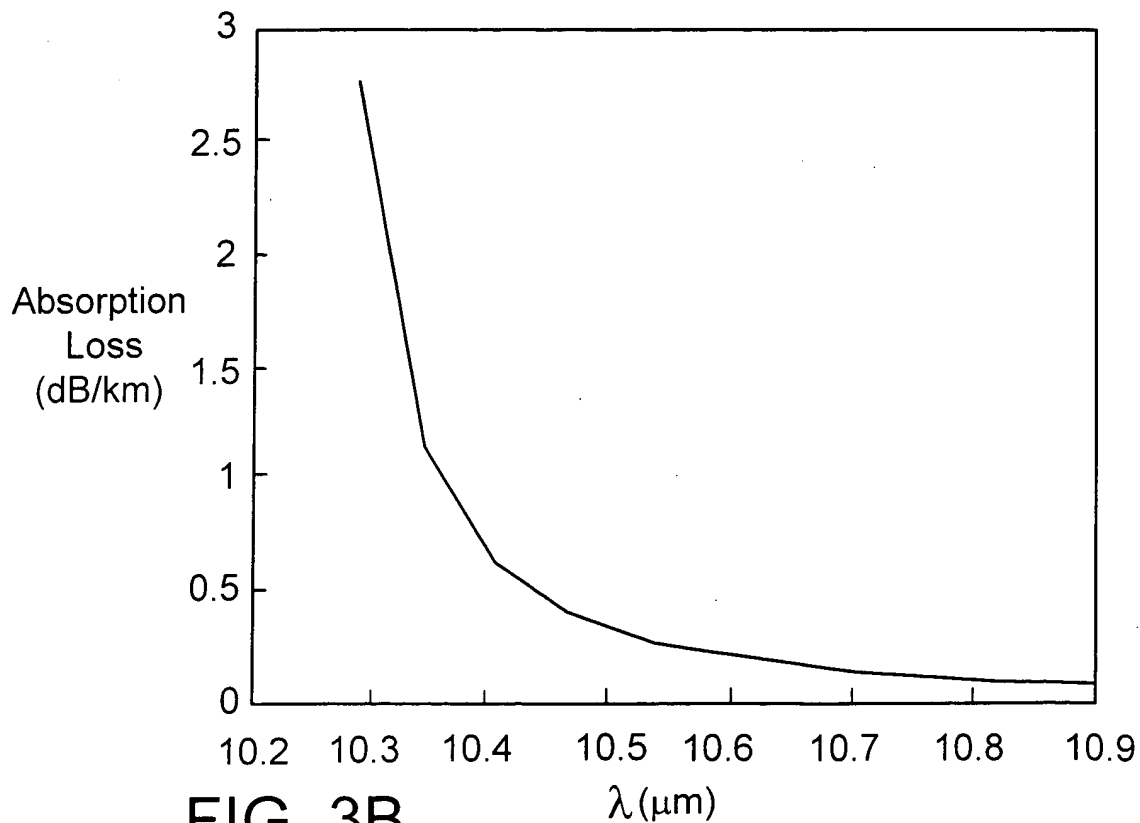


FIG. 3B

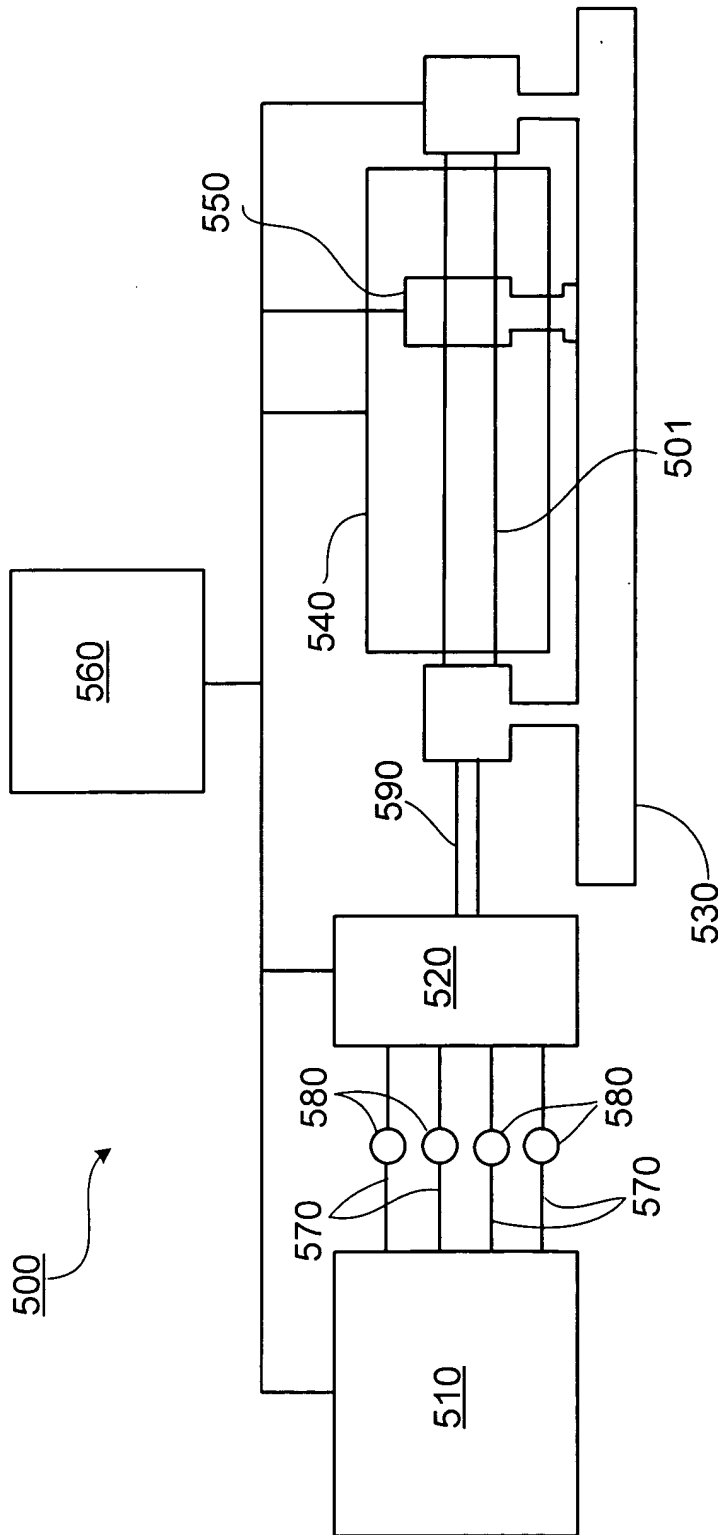


FIG. 4

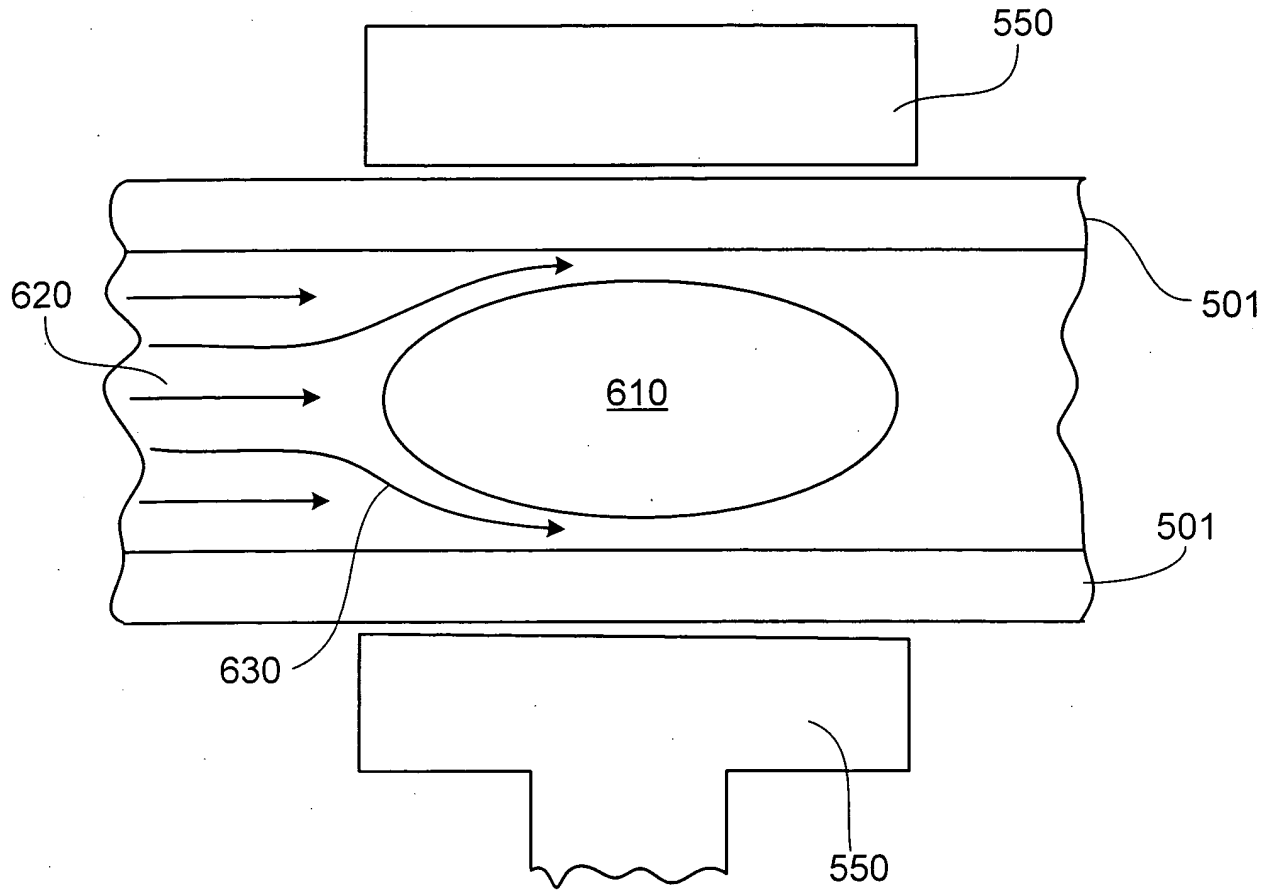


FIG. 5

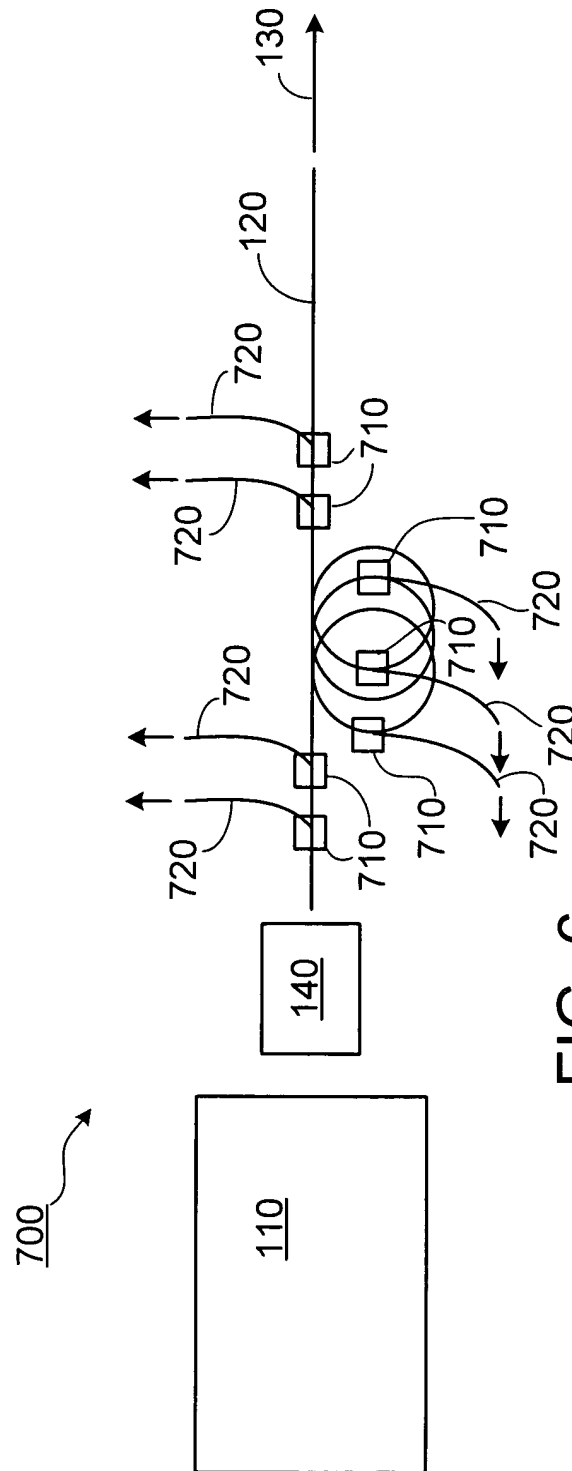


FIG. 6